

01-14-02

**NON-PROVISIONAL  
UTILITY PATENT APPLICATION  
TRANSMITTAL - 37 CFR 1.53(b)**

☐ Duplicate  
(check, if applicable)

Assistant Commissioner for Patents Attorney Docket No. 9346-018US (TW/PSC/I.4929/010)  
**BOX PATENT APPLICATION** First Named Inventor: Diao XU *et al.*  
Washington, DC 20231 Express Mail Label No. EL916938347US  
Total Pages of Transmittal Form: 2

Transmitted herewith for filing is the non-provisional utility patent application entitled:

**MICROVALVE DEVICES**

which is:

an ☒ Original; or

a ☐ Continuation, ☐ Divisional, or ☐ Continuation-in-part (CIP)  
of prior Application No. filed.

Anticipated Group/Art Unit: or Class, Subclass.

☐ This non-provisional patent application is based on Provisional Patent Application No.,  
filed.

Enclosed are:

- ☒ Specification (including Abstract) and claims: 16 pages.
- ☐ Application Data Sheet.
- ☒ Newly executed Declaration (original).
- ☐ Copy of Declaration from prior application.
- ☐ Separate Power of Attorney (including 37 CFR 3.73(b) statement, if applicable).
- ☒ 4 sheets of drawings (formal).
- ☐ Transmittal Letter Accompanying Submission of Compact Disc in Accordance  
with 37 C.F.R. §1.52(e), plus two identical compact discs (for computer program  
Appendix)
- ☐ Nucleotide and/or Amino Acid Sequence Submission, including:  
☐ Computer readable copy ☐ Paper Copy ☐ Verified Statement.
- ☒ Under PTO-1595 Cover Sheet, an assignment of the invention
- ☒ Name of Assignee: **Institute of High Performance Computing**
- ☐ Certified copy(ies) of Application No(s). filed is/are filed:  
☐ herewith or ☐ in prior application.
- ☒ Applicants, by their undersigned attorney, claim Small Entity Status under 37  
C.F.R. §1.27 as ☐ an Independent Inventor, or ☐ a Small Business Concern, or  
☒ a Non-Profit Organization.
- ☒ Preliminary Amendment.
- ☐ Information Disclosure Statement, PTO/SB/08A, and cited references.
- ☐ Request for Nonpublication of Application Under 35 U.S.C. §122(b)
- ☐ Other:

The filing fee is calculated as follows:

			SMALL ENTITY			LARGE ENTITY	
CLAIMS	NO. FILED	NO. EXTRA	BASIC FEE:			BASIC FEE:	
			\$370			\$740	
Total	18 - 20 =	- 0 -	X9	\$	OR	X18	\$
Independent	1 - 3 =	- 0 -	X42	\$	OR	X84	\$
[ ] Multiple Dependent Claims Present			\$140	\$	OR	\$280	\$
			TOTAL	\$370.00	OR	TOTAL	\$

- [ ] The Commissioner is not authorized to charge the filing fee at this time as we elect to defer payment of the entire filing fee until receipt of a Notice to File Missing Parts.
- [X] A check in the amount of \$370.00 to cover the filing fee is enclosed.
- [X] The Commissioner is hereby authorized to charge and/or credit **Deposit Account No. 50-1017 (Billing No. 209346.0018)** as noted below. A duplicate copy of this sheet is enclosed.
- [X] Any overpayments or deficiencies in the above-calculated fee.
- [ ] Filing fee in the amount of \$\_\_\_\_\_ as calculated above.
- [X] Any additional fees required under 37 C.F.R. § 1.16 and § 1.17.
- [X] In the event that a Petition for Extension of Time is required during the prosecution of this application, but not submitted, please charge any extension fee under 37 C.F.R. § 1.136(a) to our Deposit Account noted above.

**CORRESPONDENCE ADDRESS:**

11/10/02 By: Leslie L. Kasten, Jr.  
(Date)

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LLK:sm  
Enclosures